

Fig. 1

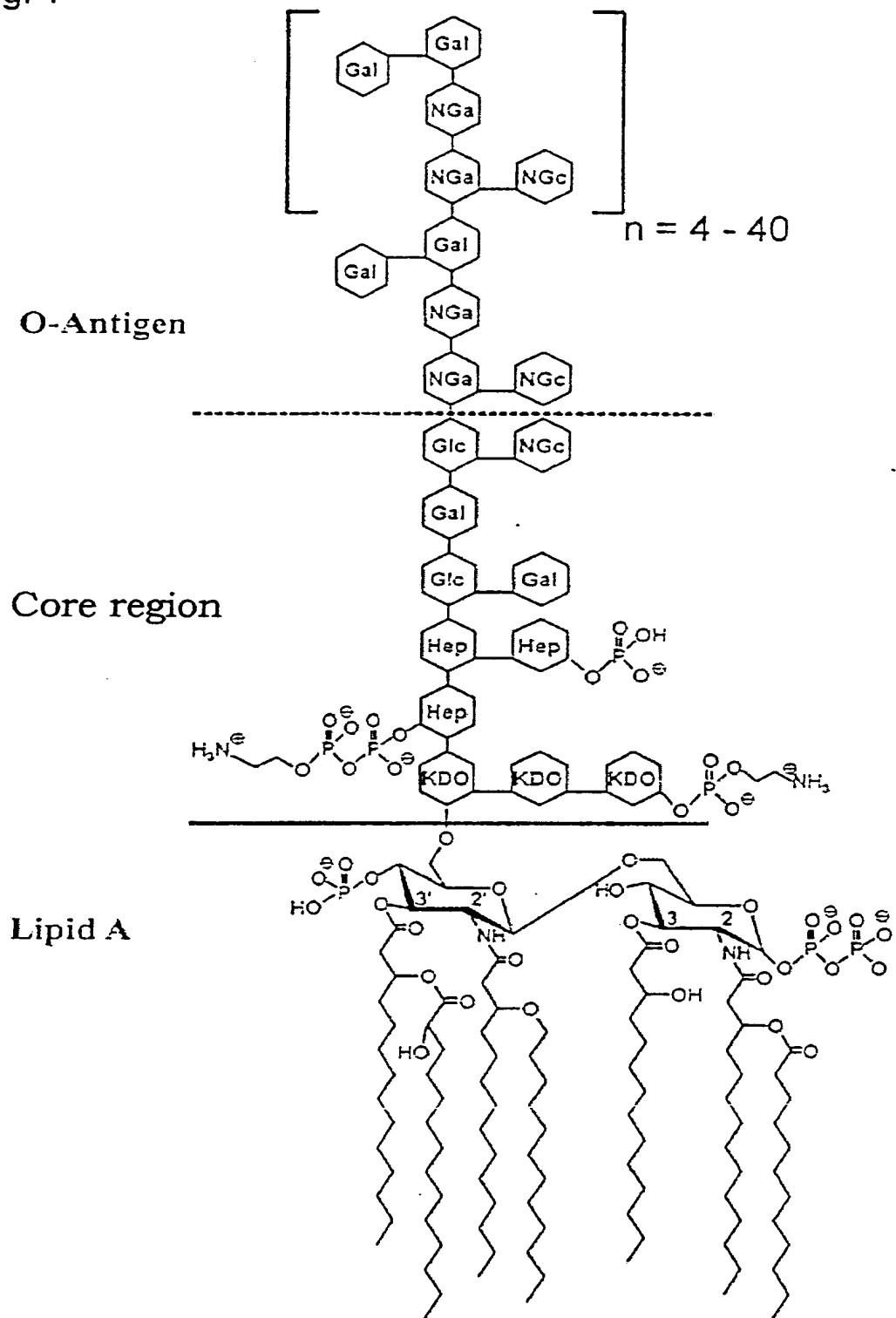


Fig. 2

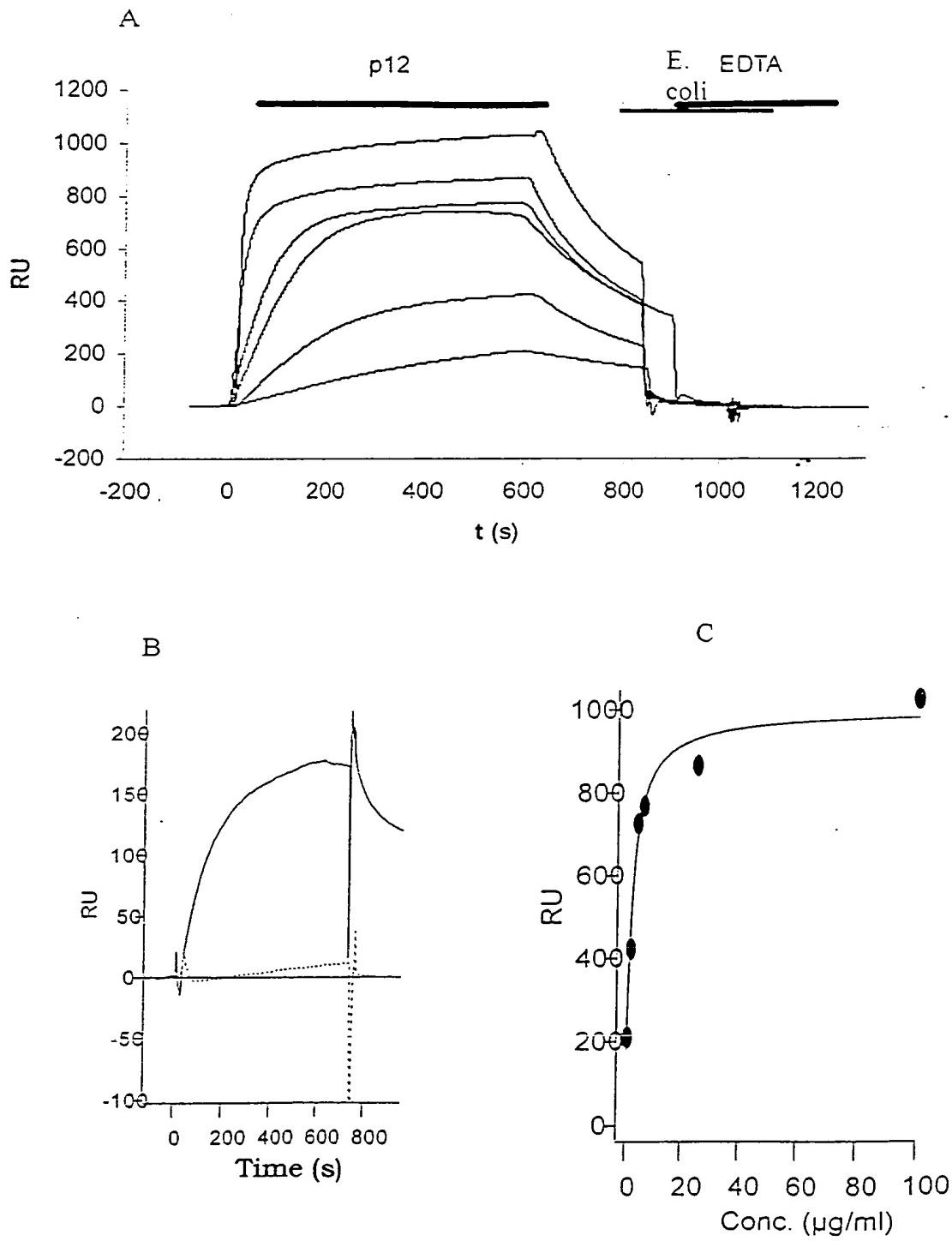


Fig. 3

Endotoxin structure	<i>E. coli</i> strain	p-12 bond
KDO-LipidA KDO KDO	D21f2	-
Hep-Hep-KDO-LipidA Hep KDO KDO	D21f1	+
Glc-Hep-Hep-KDO-LipidA Hep KDO KDO	D21e8	+
Glc-Hep-Hep-KDO-LipidA Gal Hep KDO KDO	D21e7	+
GlcN-Glc-Glc-Glc-Glc-Hep-Hep-KDO-LipidA Gal Hep KDO KDO	D21	+

pH	K _d
6,0	3,09 E-07
7,5	6,85 E-08
8,0	5,86 E-08
8,5	7,86 E-08
9,0	3,29 E-08
10,0	1,55 E-07

Fig. 4

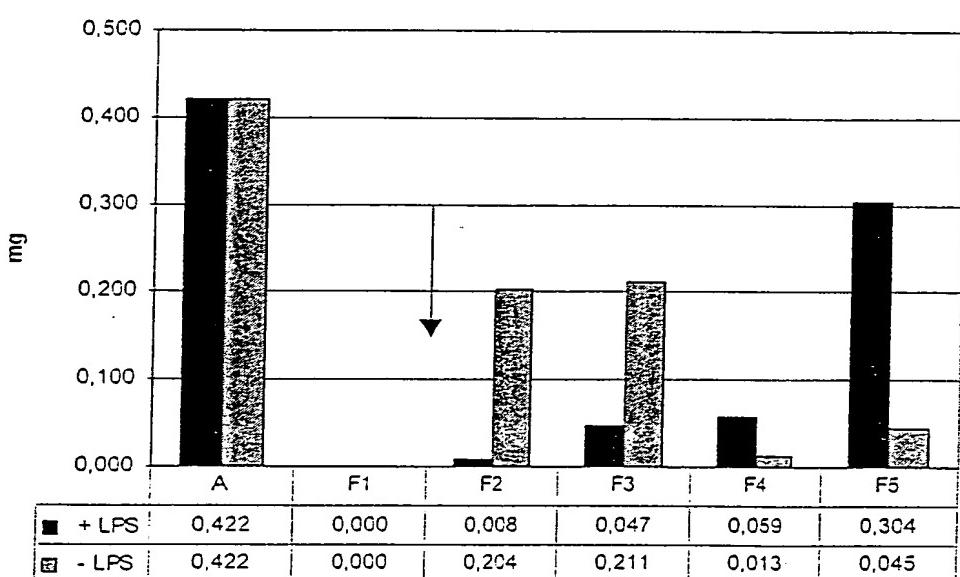
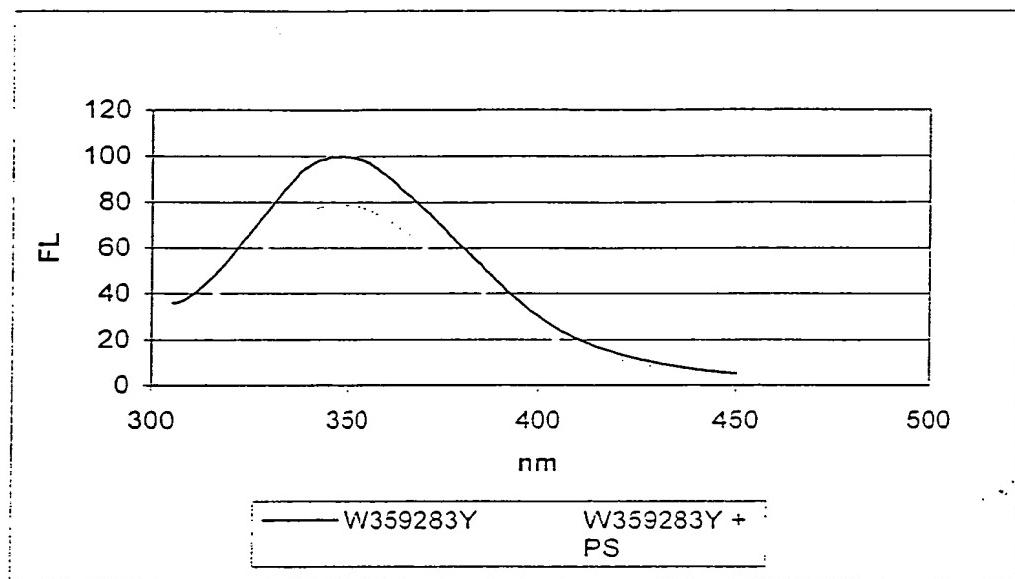


Fig. 5 A



B

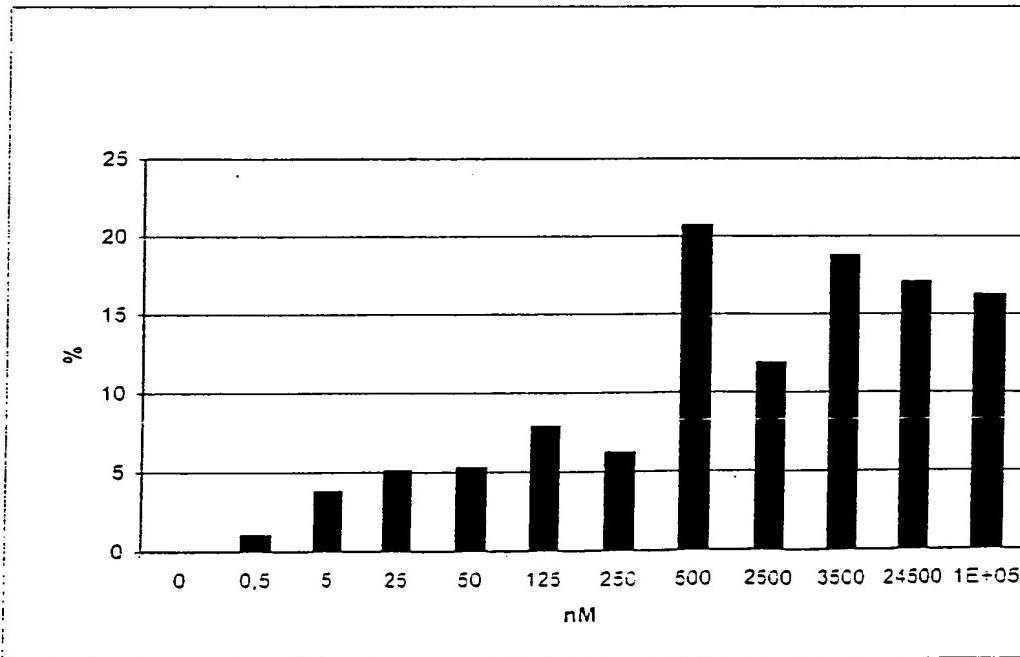
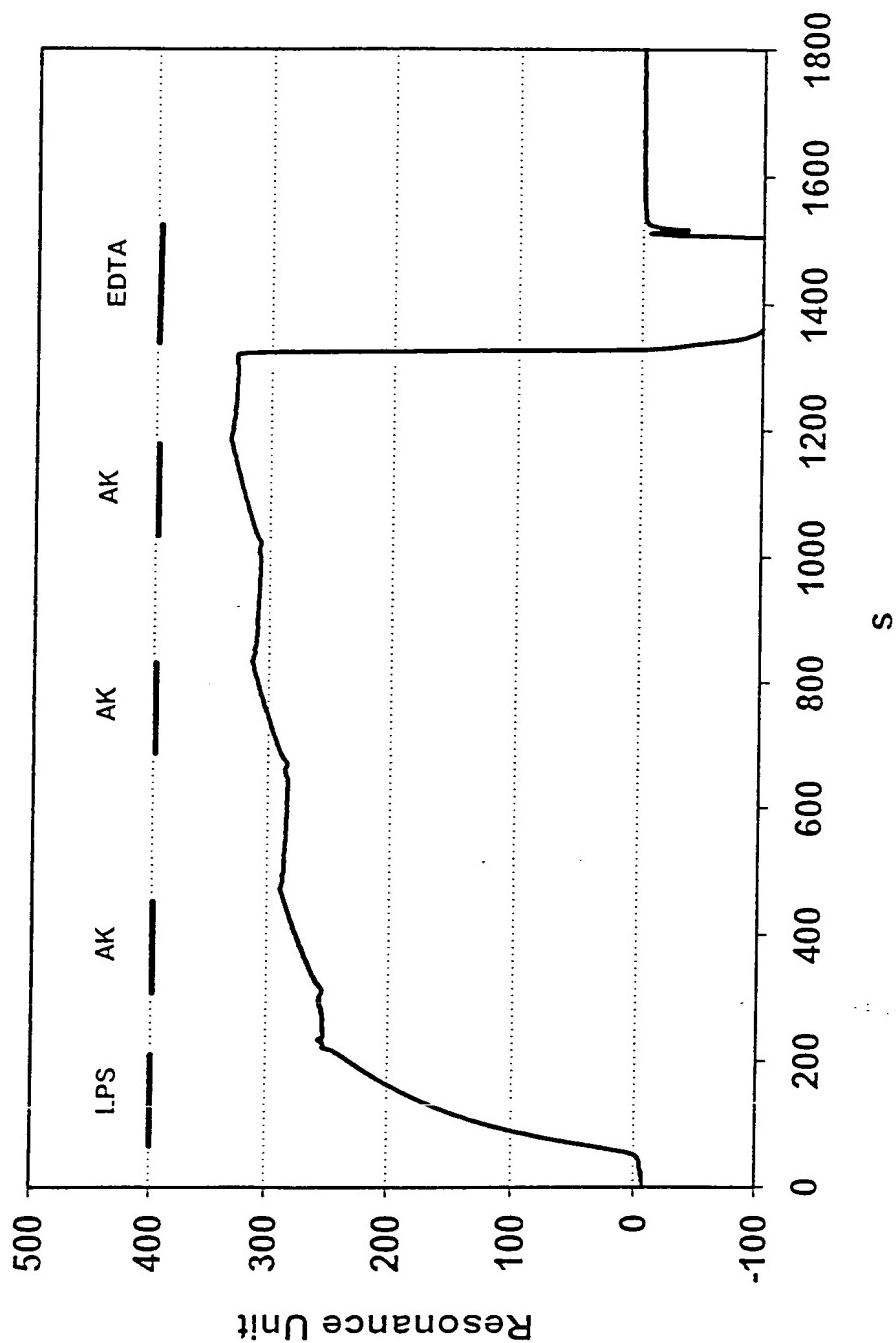


Fig. 6



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Fig. 7A

Fig. 7B

T2p12	FCHGGTVSASDCPLYASRIGTRYGGTSSNPGLPDMRGLFVRGSGRGSHLTNPNVNGNDQF
K3p12	FCHGGTVSASDCPLYASRIGTRYGGSSSNPGLPDMRGLFVRGSGRGSHLTNPNVNGNDQF
T4p12	FCHGGTVSASDCPLYASRIGTRYGGNPSNPGLPDMRGLFVRGSGRGSHLTNPNVNGNDQF
RB32-33p12	MCHGGTVSGDQYPDYRNTVGARFGGDWNNPGIPDMRGLFVRGAGTGHHILNQ--RGQDGY
AR1p12	MCHGGTVSGDQYPDYRNTVGTRFGGDWNNPGIPDMRGLFVRGAGTGHHILNQ--RGQDGY
PP01p12	MCHGGTVSGDQYPDYRNTVGTRFGGDWNNPGIPDMRGLFVRGAGTGXHILNQ--RGQDGY
RB69p12	LCHGGTISGDQFPDYRNVVGTRFGGDWNNPGIPDMRGLFVRGAGTGSHILNN--RGQDGY :*****: * . : * : ** . ***:*****: * * : * . * : * :
T2p12	GKPRLGVGCTGGYVGEVQKQQMSYHKHAGGFGEY---DDSGAFGNRRSNFVGTRKLDW
K3p12	GKPRLGVGCTGGYVGEVQKQQMSYHKHAGGFGEW---DDSGAFGNRRSNFVGTRKLDW
T4p12	GKPRLGVGCTGGYVGEVQIQQMSYHKHAGGFGEH---DDLGAFGNRRSNFVGTRKLDW
RB32-33p12	GKDRLGVGCDGMHVGGVQAQQMSYHKHAGGWGEY--QRHEAPFGASVYQGYLGTRKSDW
AR1p12	GKDRLGVGCDGMHVGGVQAQQMSYHKHAGGWGEY--NRSEGPFGASVYQGYLGTRKSDW
PP01p12	GKDRLGVGCDGMHVGGVQAQQISYHKHAGAWGENGNNGYAPFGASNGSGYLGNGRSADW
RB69p12	GKDRLGVGCDGMHVGGVQAQQMSYHKHAGGWGEF--QRHEAPFGASVYQGYLGTRKSDW ***:*****: * . : * : *****: * . . ** : . . : * . : **
T2p12	DNRSYFTNDGYEIDPASQRNSRYTLNRPPELIGNETRPWNISLNYYIIKVKE
K3p12	DNRSYFTNDGYEIDPASQRNSRYTLNRPPELIGNETRPWNISLNYYIIKVKE
T4p12	DNRSYFTNDGYEIDPESQRNSKYTLNRPPELIGNETRPWNISLNYYIIKVKE
RB32-33p12	DNASYFTNDGFELG--GPRDALGTLNREGLIGYETRPWNISLNYYIIKIHY
AR1p12	DNASYFTNDGFELG--GPRDALGTLNREGLIGYETRPWNISLNYYIIKIHY
PP01p12	DNLFFTNDGFEMG--GPRDSFGTLNREGLIGYETRPWNISLNYYIIKIHY
RB69p12	DNASYFTNDGFELG--GHRDATGTLNREGLIGYETRPWNISLNYYIIKVHY ***:*****: * . . * : * * * * *****:*****: